

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An information providing apparatus for transmitting desired information to information equipment loaded on a vehicle, comprising:

communication means for sending and receiving desired ~~data~~ information using radio communications; and

control means

for monitoring a remote control signal from an electronic key corresponding to a key-less entry system for the vehicle via said communication means,

for identifying the vehicle based on vehicle identification information included in the remote control signal,

for controlling operations of an information output means for storing said ~~desired~~ information and sending said ~~desired~~ information to said vehicle as well as operations of the communication means, wherein said control means starts up operations of said information output means by using the remote control signal from said electronic key as a trigger to select desired information based on said vehicle identification information and transmit said selected desired information to said vehicle, and

for controlling, when the remote control signal from said electronic key triggers said information output means to transmit said selected desired information to said vehicle, operations of an information input means for storing driving information transmitted from said vehicle.
2. (Previously Presented) An information providing apparatus for a vehicle according to claim 1, wherein said information output means sends said information via said communication means to said vehicle.

3. (Cancelled).

4. (Currently Amended) A vehicle capable of downloading desired information stored in prespecified information storage means, the vehicle comprising:

a key-less entry system including an electronic key to transmit a remote control signal, the remote control signal including information identifying the vehicle;

communication means for receiving ~~[[a]]~~ said remote control signal from ~~[[an]]~~ said electronic key ~~relating to a key-less entry system~~; and

control means for sending and receiving desired data via said communication means, wherein said control means executes an operation for locking a door of ~~[[a]]~~ the vehicle with said remote control signal from the ~~corresponding~~ electronic key ~~detected via~~ received by said communication means, acquires ~~said~~ desired information received by said communication means according to said remote control signal as a trigger, said acquired desired information selected based on the information identifying the vehicle included with said remote control signal, and sends driving information, according to said remote control signal as a trigger, via said communication means.

5. (Previously Presented) The vehicle according to claim 4, wherein said control means sends and receives prespecified information with a sender of said information based on information received by said communication means according to said remote control signal as a trigger to execute processing for mutual authentication, and then acquires said desired information using a result of processing for the mutual authentication.

6. (Currently Amended) A method of providing information to a vehicle by transmitting desired information stored in prespecified information storage means to the vehicle, comprising:

starting up operations of said information storage means in response to a remote control signal from an electronic key relating to a key-less entry system of the vehicle as a trigger;

identifying the vehicle based on vehicle identification information included in said remote control signal;

selecting desired information based on the vehicle identification information;

providing said selected desired information to the vehicle ~~corresponding to~~ identified in said remote control signal; and

transmitting driving information from the vehicle to said information storage means in response to said remote control signal as a trigger.

7. (Currently Amended) A method of providing information to a vehicle according to claim 6 further comprising:

providing said selected desired information via communication means relating to said remote control signal stored in said corresponding vehicle.

8. (Currently Amended) A method of providing information to a vehicle according to claim 6 further comprising:

executing processing for mutual authentication with said corresponding vehicle to provide said selected desired information using a result of processing for the mutual authentication.

9. (Currently Amended) An information providing apparatus for transmitting desired information to information equipment loaded on a vehicle, comprising:

a communication unit configured to send and receive desired ~~data~~ information using radio communications; and

a control unit configured

to monitor a remote control signal from an electronic key corresponding to a key-less entry system for the vehicle via said communication unit,

to identify the vehicle based on vehicle identification information included in the remote control signal;

to control operations of an information output unit configured to store said information and send said information to said vehicle,

to control operations of said communication unit,

to select desired information based on the vehicle identification information;

to initiate operations of said information output unit using the remote control signal from said electronic key as a trigger to transmit said selected desired information to said vehicle identified in the remote control signal, and ~~further~~

to control, when the remote control signal from said electronic key triggers said information output unit to transmit said selected desired information to said vehicle, operations of an information input unit for storing driving information transmitted from said vehicle.

10. (Previously Presented) An information providing apparatus for a vehicle according to claim 9, wherein said information output unit is further configured to send said information via said communication unit to said vehicle.

11. (Cancelled).

12. (Previously Presented) An information providing apparatus for a vehicle according to claim 1, wherein said driving information includes at least one of a driving time, a driving distance, and a driving area.

13. (Previously Presented) The vehicle according to claim 4, wherein said driving information includes at least one of a driving time, a driving distance, and a driving area.

14. (Previously Presented) A method according to claim 6, wherein said driving information includes at least one of a driving time, a driving distance, and a driving area.

15. (Previously Presented) An information providing apparatus for a vehicle according to claim 9, wherein said driving information includes at least one of a driving time, a driving distance, and a driving area.

16. (Previously Presented) A vehicle, comprising:
a communication unit configured to receive a remote control signal from a locking mechanism of a door of the vehicle, the locking mechanism being configured to transmit the remote control signal when a key is inserted into the locking mechanism so as to cause the locking mechanism to lock;
a storage unit configured to store driving information and desired information; and
a control unit configured to transmit the driving information from the storage unit via the communication unit when the communication unit receives the remote control signal from the locking mechanism, and configured to receive desired information from an information

storage unit remote from the vehicle via the communication unit when the communication unit receives the remote control signal from the locking mechanism and store the received desired information in the storage unit.

17. (Previously Presented) The vehicle according to claim 16, wherein the driving information includes at least one of a driving time, a driving distance, and a driving area.

18. (New) The information providing apparatus according to claim 1, further comprising means for determining a next driver to operate the vehicle identified in the vehicle identification information, wherein said desired information is selected based on the next driver.